Beta Presentation
VIN-Verse

The Capstone Experience
Team Urban Science

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Project Overview

• A digital platform for owners, servicers, and manufacturers to streamline vehicle history management
• Allows owners to manage who can view their vehicle’s history
• Display analytics on aggregated vehicle service records
System Architecture

Data Feeds
- Manufacturer
- Service Repair Facility
- Consumers
- Potential Buyers

Front-End
- Repair orders and service history
- Self-reported repairs and service history
- View vehicle history

Back-End
- Microsoft SQL Server
- HTTP Requests

The Capstone Experience
Team Urban Science Beta Presentation
Vehicle Information

Make: FORD
Model: F-350
Year: 2005
VIN: 1FDWF37585EA89821

All Repairs

<table>
<thead>
<tr>
<th>Date</th>
<th>Reparer</th>
<th>Type</th>
<th>Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/20/2018</td>
<td>Belle Tire</td>
<td>Maintenance</td>
<td>Hub Cap</td>
</tr>
<tr>
<td>9/22/2018</td>
<td>Belle Tire</td>
<td>Maintenance</td>
<td>Tires</td>
</tr>
</tbody>
</table>
My Vehicles

- FORD
  - F-350, 2005
  - View Info

- Ford
  - F-150, 1997
  - View Info

- Honda
  - Odyssey, 2004
  - View Info
Outgoing History Access Request

Outgoing History Access Requests

Active Requests

1FDTF4HT8DEB50346
Active
10/26/2018 - 4/26/2019
View Info

1FV3GLBC0VL651219
Active
10/29/2018 - 4/29/2019
View Info

1FDWF37585EA89821
Active
11/8/2018 - 11/15/2018
## Analytics Report

### Repair Sources

<table>
<thead>
<tr>
<th>Repair Type</th>
<th>Total Repair Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>TUNE-UP</td>
<td>10</td>
</tr>
<tr>
<td>RECALL</td>
<td>4</td>
</tr>
<tr>
<td>MAINTENANCE</td>
<td>45</td>
</tr>
<tr>
<td>TIRE CHANGE</td>
<td>23</td>
</tr>
<tr>
<td>OIL CHANGE</td>
<td>40</td>
</tr>
<tr>
<td>Total</td>
<td>150</td>
</tr>
</tbody>
</table>

### Repair Sources Distribution

- **Self**: 16%
- **Franchise**: 33.33%
- **Independent Facility**: 50.67%

### Total Repairs

- **TUNE-UP**: 10
- **RECALL**: 4
- **MAINTENANCE**: 45
- **TIRE CHANGE**: 23
- **OIL CHANGE**: 40

Total Repairs: 150
What’s left to do?

• Improve mobile compatibility
  ▪ Switch from table view to card view
  ▪ Eliminate horizontal scrolling

• Improve readability of data reports
  ▪ Conform to Urban Science standards
  ▪ Add more precise metrics to analytics table
Questions?